Listing of Claims:

Claims 1-23 (Canceled).

24. (Original) A stent delivery system comprising:

(a) an inner catheter, said inner catheter being provided with a first longitudinally extending lumen;

(b) perforating means slidably disposed in said first longitudinally extending lumen;

(c) an outer catheter, said outer catheter surrounding at least a portion of the length of said inner catheter and adapted for axial movement relative to said inner catheter; and

(d) a self-expandable stent, said self-expandable stent disposed between said inner catheter and said outer catheter;

(e) wherein said outer catheter is dimensioned to maintain said self-expandable stent in a compressed state.

25. (Original) The stent delivery system as claimed in claim 24 wherein said self-expandable stent is coaxially mounted over said inner catheter.

26. (Original) The stent delivery system as claimed in claim 24 wherein said self-expandable stent is made of braided filamentary material.

27. (Original) The stent delivery system as claimed in claim 24 wherein said self-expandable stent is made of nonabsorbable material.

28. (Original) The stent delivery system as claimed in claim 24 wherein said self-expandable stent is made of nonabsorbable plastic material.

29. (Original) The stent delivery system as claimed in claim 24 wherein said self-expandable stent is made of bioabsorbable material.

30. (Original) The stent delivery system as claimed in claim 24 wherein said self-expandable stent has a uniform expanded diameter.

31. (Original) The stent delivery system as claimed in claim 24 wherein said self-expandable is shaped to include a waist of comparatively lesser expanded diameter and a pair of cuffs on opposite ends of said waist of comparatively greater expanded diameter.

32. (Original) The stent delivery system as claimed in claim 31 wherein said waist has an expanded diameter of about 8-10 mm, each of said cuffs has an expanded diameter of about 15 mm, and wherein each of said waist and said cuffs has a length of about 5-10 mm.

33. (Original) The stent delivery system as claimed in claim 24 wherein said perforating means comprises a retractable needle.

34. (Original) The stent delivery system as claimed in claim 24 wherein said inner catheter is further provided with a second longitudinal lumen, said stent delivery system further comprising a guide wire slidably disposed in said second longitudinal lumen.

35. (Withdrawn) A stent delivery system comprising:

(a) a catheter, said catheter having a proximal end, a distal end, a first lumen extending longitudinally through said distal end and a second lumen extending longitudinally and having a proximal end connected to a gas line and a distal end terminating in a balloon section;

(b) perforating means slidably disposed in said first lumen; and

(c) a balloon-expandable stent coaxially mounted over said balloon section of said catheter.

36. (Withdrawn) The stent delivery system as claimed in claim 35 wherein said balloon-expandable stent is a balloon-expandable covered stent.

37. (Withdrawn) The stent delivery system as claimed in claim 35 further comprising a sheath, said sheath surrounding at least a portion of the length of said catheter and said balloon-expandable stent and being adapted for axial movement relative to said catheter.

38. (Withdrawn) The stent delivery system as claimed in claim 35 wherein said perforating means comprises a retractable needle.

39. (Withdrawn) The stent delivery system as claimed in claim 35 wherein said catheter further comprises a third lumen extending longitudinally through said distal end and wherein said stent delivery system further comprises a guide wire slidably disposed in said third lumen.

40. (Withdrawn) The stent delivery system as claimed in claim 39 wherein said catheter further comprises a fourth lumen extending longitudinally through said distal end, said fourth lumen being connected at its proximal end to a line containing dye for use in performing a cystogram.

41. (Withdrawn) A stent delivery system comprising:

(a) a catheter, said catheter having a proximal end, a distal end, a first lumen extending longitudinally through said distal end, and a second lumen extending longitudinally and having a proximal end connected to a gas line and a distal end terminating in a balloon section;

(b) perforating means slidably disposed in said first lumen; and

(c) a first pigtail stent coaxially and slidably mounted over said catheter proximal to said balloon section.

42. (Withdrawn) The stent delivery system as claimed in claim 41 further comprising a pusher sleeve coaxially and slidably mounted over said catheter proximal to said first pigtail stent for pushing said first pigtail stent off said distal end of said catheter.

43. (Withdrawn) The stent delivery system as claimed in claim 41 further comprising a second pigtail stent coaxially and slidably mounted over said catheter proximal to said balloon section and distal to said first pigtail stent.

44. (Withdrawn) The stent delivery system as claimed in claim 41 wherein said perforating means comprises a retractable needle.

45. (Withdrawn) The stent delivery system as claimed in claim 41 wherein said catheter further comprises a third lumen extending longitudinally through said distal end and wherein said stent delivery system further comprises a guide wire slidably disposed in said third lumen.

46. (Withdrawn) The stent delivery system as claimed in claim 45 wherein said catheter further comprises a fourth lumen extending longitudinally through said distal end, said fourth lumen being connected at its proximal end to a line containing dye for use in performing a cystogram.